

# SHIVAM SHUKLA

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## Professional Experience

### WASSERSTOFF RJ INNOVATIONS PRIVATE LIMITED

June 2023 – Present

*Software Developer*

- Over 1 years of full-stack development experience with strong backend expertise using **Node.js**, **Express.js**, **Drizzle ORM**, **PostgreSQL**, **MongoDB**, **gRPC**, and **Redis**. Skilled in designing scalable RESTful APIs, implementing **JWT/OAuth2** authentication, secure payment integrations (Razorpay, Cashfree), and real-time communication using **WebSockets** and **Server-Sent Events (SSE)**
- Proficient in frontend technologies including **React.js**, **Next.js** with **Server-Side Rendering (SSR)**, State Management (**Redux**, **Recoil**) and **Tailwind CSS**, focused on building responsive, high-performance user interfaces that integrate seamlessly with backend services.
- Experienced in leading teams of up to **5+ developers**, driving full lifecycle development of complex applications involving microservices architecture, AI/LLM integrations, **CMS migrations**, and cloud deployment using **Docker**, **GitHub Actions**, **CI/CD** and **AWS** to deliver scalable, maintainable, and production-ready solutions.

## Education

### Institute of Engineering and Technology, Lucknow

Aug 2022 – Aug 2024

*Master of Computer Applications (CGPA: 8.2 / 10)*

## Projects

### Lit Search | LLM-Based Legal Assistant Platform | [Live](#)

- \* Architected a production-grade backend using **Node.js**, **Express.js**, **PostgreSQL**, and **Redis**, structured via a **microservices architecture** with **gRPC** for internal communication. Integrated **LangChain APIs** for AI-driven legal query processing. Achieved **99.9% uptime**, reduced response latency by **48%**, improved backend throughput by **2.3×**, and scaled to handle **1,500+ concurrent users**. Implemented secure **JWT-based authentication**, session handling, and 95%+ test coverage through rigorous integration testing.
- \* Developed the frontend using **Next.js** (with **SSR**) and **Redux** for robust state management. Focused on real-time UI updates, optimized rendering under high load, and improved cross-device performance. Enhanced user engagement by **35% increase in session duration** and reduced bounce rate by **22%**.

### Lit Sign | AI-Powered Legal Contract Platform | [Live](#)

- \* Architected a scalable backend with **Node.js**, **Express.js**, **PostgreSQL**, and **Drizzle ORM**, developing 40+ secure **REST APIs** for contract lifecycle management, document versioning, and user authentication. Implemented **WebSockets** for real-time contract status updates and signer presence tracking, supporting seamless collaboration. Integrated **Razorpay** and **Cashfree** to automate legal payments, ensuring 100% transaction reliability across 500+ monthly signings.
- \* Built a responsive and SEO-optimized frontend using **React.js**, **Redux**, and **Tailwind CSS**. Integrated **Tiptap editor** for collaborative AI-assisted contract creation with real-time syncing via **WebSockets**. Leveraged **React Router**, **Axios**, and **Framer Motion** for smooth navigation and animations, resulting in a **28% increase in user engagement** and **multi-device accessibility**.

### Legal Wires | High-Traffic Legal Blog CMS | [Live](#)

- \* Developed and deployed a fully custom **Ghost CMS theme** using **HTML**, **CSS**, and **JavaScript**, optimized for **SEO**, fast loading, and mobile responsiveness. Enabled scalability to support **90K+ monthly users**, helping rank Legal Wires among the top 10 law blogs in India. Enhanced content structure and meta optimization for improved Google Discover visibility.
- \* Integrated a real-time AI-powered legal assistant using **REST APIs** and external LLM models to handle Indian law queries. Boosted user engagement by over **1,000+ active interactions/month**, reduced bounce rate by **24%**, and improved accessibility across devices. Enabled dynamic routing, live search, and in-chat contextual assistance to increase user retention.

## Technical Skills

**Programming Languages & Frameworks:** JavaScript (ES6+), TypeScript, Node.js, Express.js, React.js, Next.js, HTML5, CSS3, Tailwind CSS, Redux, Recoil, Prisma, Mongoose, Drizzle ORM, GraphQL (basic), WebSockets.

**Tools & Technologies:** PostgreSQL, MongoDB, Redis, Git, GitHub, Postman, Docker, AWS (Route 53, EC2), CI/CD (GitHub Actions), Agile Methodologies (Scrum), Unit Testing (Jest basic), Jira.

**Other Skills:** RESTful APIs, Microservices Architecture, JWT Authentication, gRPC, OAuth2, Secure Payment Gateway Integration (Razorpay, Cashfree), Responsive Web Design, Cloud Deployment.